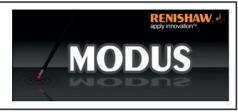
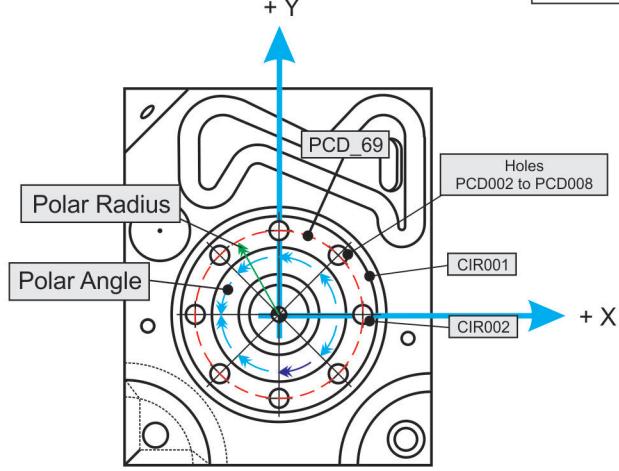


Create a user-defined PDF report using MODUS reporter

RENISHAW 
apply innovation™ **Inspection Report** 

11/02/2012 09:47:36



	Actual	Nominal	Hi-tol	Lo-tol	Deviation	Graphic	Error	% tol.
CIR001 Diameter	79.9960	80.0000	0.0250	-0.0250	-0.0040	---*---	0.0000	16.0000
CIR002 Angle Radius	0.0000 34.5510	0.0000 34.5000	0.5000 0.1000	-0.5000 -0.1000	0.0000 0.0510	---*--- ---+*--	0.0000 0.0000	0.0000 51.0000
PCD002 Angle Radius	44.9745 34.4905	45.0000 34.5000	0.5000 0.1000	-0.5000 -0.1000	-0.0255 -0.0095	---*--- ---*---	0.0000 0.0000	5.1021 9.4660
PCD003 Angle Radius	90.0368 34.5454	90.0000 34.5000	0.5000 0.1000	-0.5000 -0.1000	0.0368 0.0454	---*--- ---+*--	0.0000 0.0000	7.3545 45.4112
PCD004 Angle Radius	135.0139 34.4360	135.0000 34.5000	0.5000 0.1000	-0.5000 -0.1000	0.0139 -0.0640	---*--- ---*+---	0.0000 0.0000	2.7721 63.9583
PCD005 Angle Radius	179.9387 34.5159	180.0000 34.5000	0.5000 0.1000	-0.5000 -0.1000	0.0613 0.0159	---*--- ---+*--	0.0000 0.0000	12.2615 15.8944
PCD006 Angle Radius	134.9720 34.4655	135.0000 34.5000	0.5000 0.1000	-0.5000 -0.1000	0.0280 -0.0345	---*--- ---*+---	0.0000 0.0000	5.6074 34.4718

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Create a user-defined PDF report using MODUS reporter

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1 Create a user-defined PDF report using MODUS reporter

1.1 Tutorial pre-requisites

- The student should have completed the basic alignment and measurement tutorials.
- The student should have completed the 'Further feature measurement and output' tutorial

1.2 Tutorial objectives

- To introduce the student to the concepts of report creation and basic output of results using MODUS reporting methods

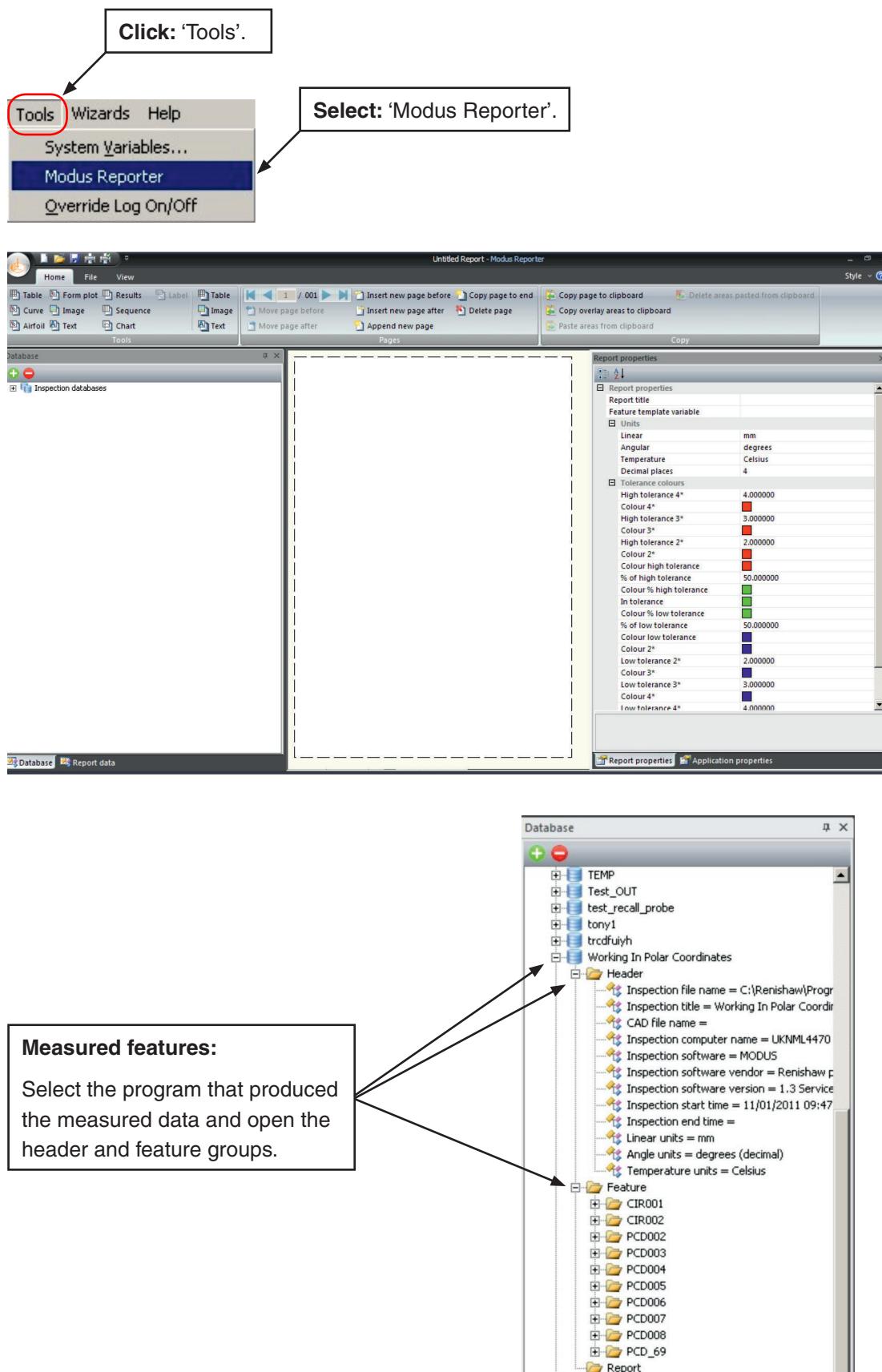
2 Introduction

Though MODUS can create simple, text-based reports, MODUS reporter can be used to produce fully configurable graphical inspection reports. This is useful when inspection reports are required to conform to a company-specific template.

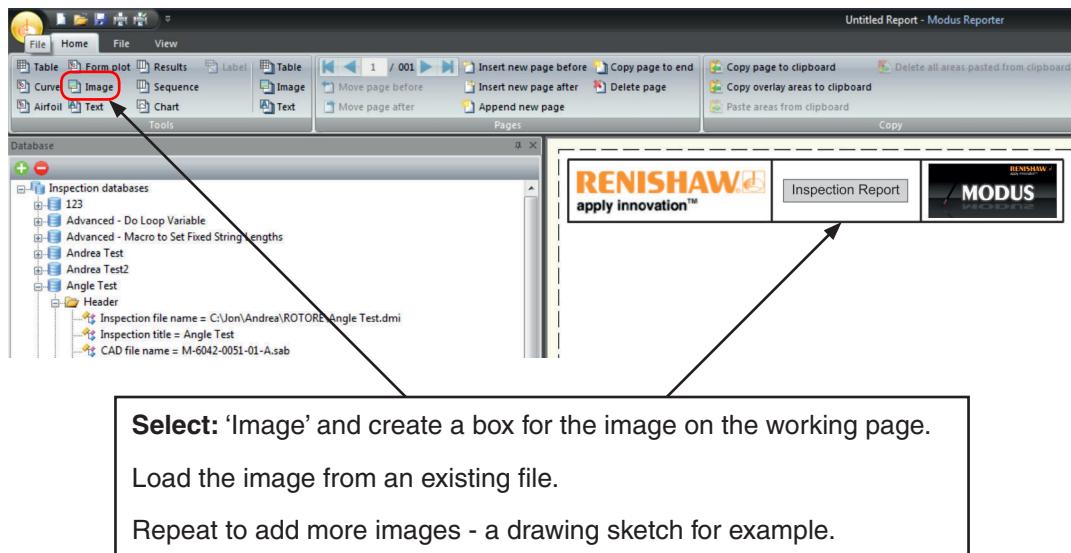
This tutorial will use MODUS reporter to generate a PDF inspection report. The examples used throughout are based on features on the Renishaw training block that were measured in earlier tutorials.

3 Creating the PDF report using MODUS reporter

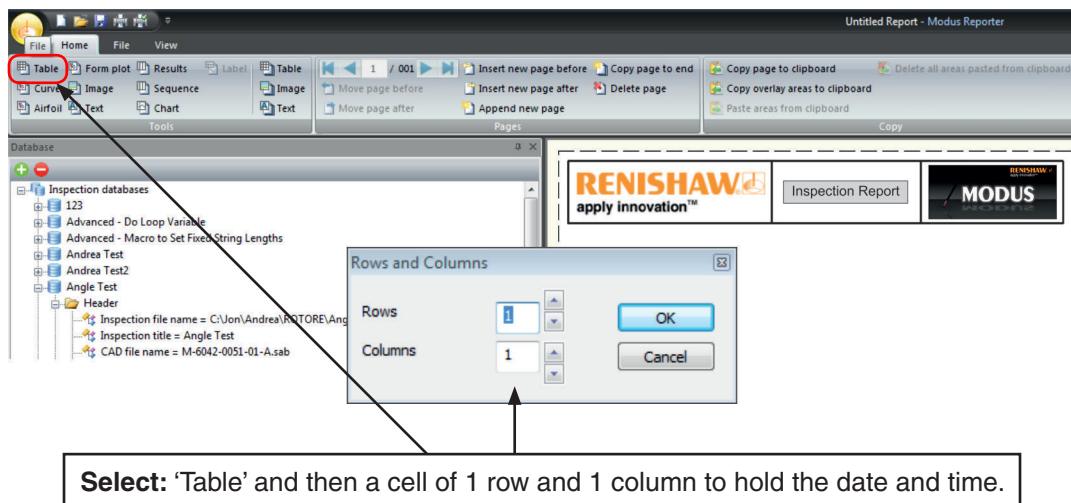
Measure part to generate measured data. Open MODUS reporter from within MODUS to begin:

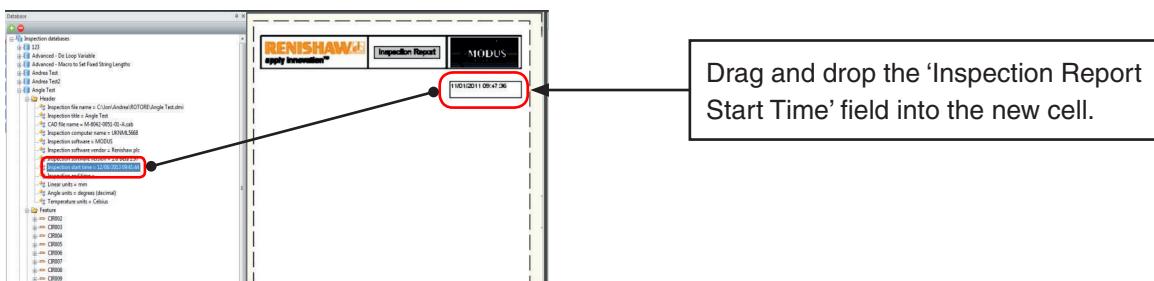
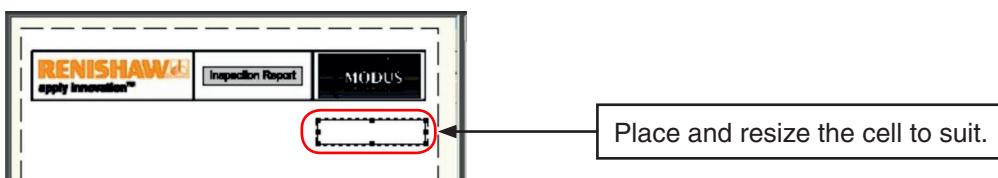


Copy an image into the report page (i.e. pre-defined header):

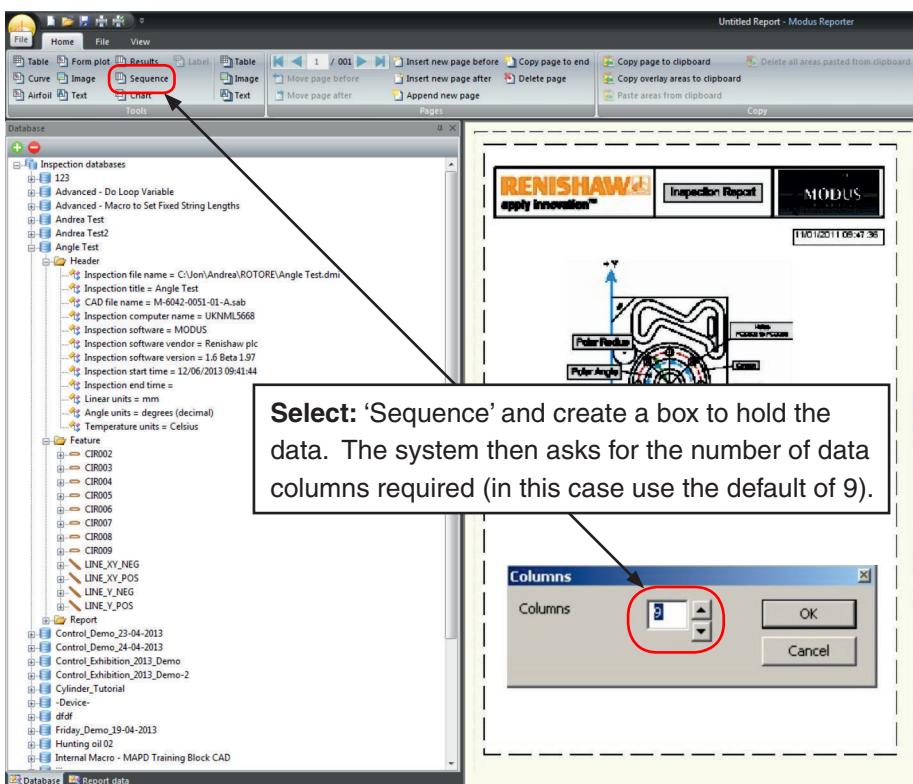


To add further information into the report page (i.e. date and time):

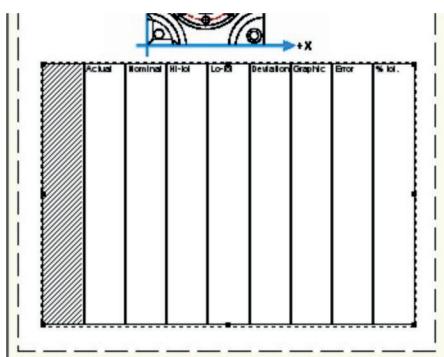




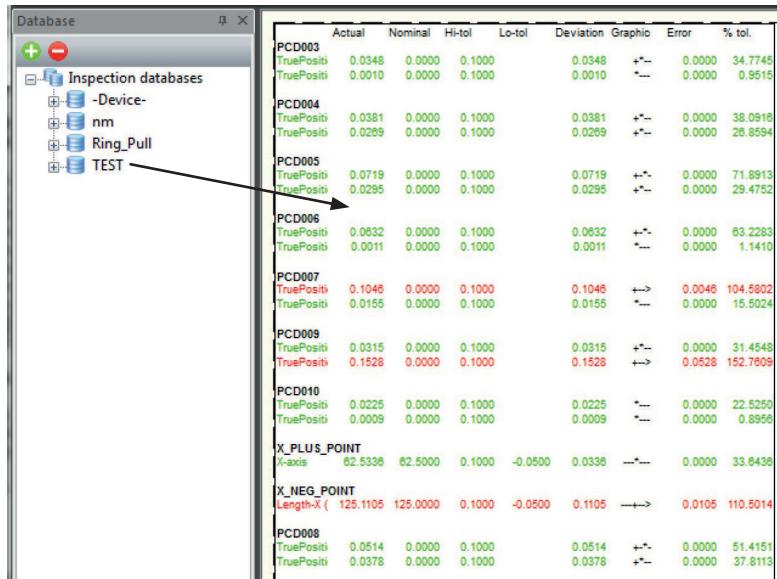
Add measured data to the report:



Result:



Select and drag data base into sequence table:



The screenshot shows the 'Database' window with the 'Inspection databases' tree expanded. A black arrow points from the 'TEST' database node to the sequence table on the right. The sequence table lists various inspection parameters (PCD003 to PCD008) with columns for Actual, Nominal, Hi-tol, Lo-tol, Deviation, Graphic, Error, and % tol.

		Actual	Nominal	Hi-tol	Lo-tol	Deviation	Graphic	Error	% tol.
PCD003	TruePositi	0.0348	0.0000	0.1000		0.0348	+--	0.0000	34.7745
	TruePositi	0.0010	0.0000	0.1000		0.0010	--	0.0000	0.9515
PCD004	TruePositi	0.0381	0.0000	0.1000		0.0381	+--	0.0000	38.0916
	TruePositi	0.0289	0.0000	0.1000		0.0289	+--	0.0000	28.6594
PCD005	TruePositi	0.0719	0.0000	0.1000		0.0719	+--	0.0000	71.6913
	TruePositi	0.0295	0.0000	0.1000		0.0295	+--	0.0000	29.4752
PCD006	TruePositi	0.0632	0.0000	0.1000		0.0632	+--	0.0000	63.2283
	TruePositi	0.0011	0.0000	0.1000		0.0011	--	0.0000	1.1419
PCD007	TruePositi	0.1046	0.0000	0.1000		0.1046	++>	0.0046	104.5802
	TruePositi	0.0155	0.0000	0.1000		0.0155	--	0.0000	15.5024
PCD008	TruePositi	0.0315	0.0000	0.1000		0.0315	+--	0.0000	31.4548
	TruePositi	0.1528	0.0000	0.1000		0.1528	++>	0.0528	152.7609
X_PLUS_POINT	X-axis	62.5338	62.5000	0.1000	-0.0500	0.0338	-->	0.0000	33.6438
X_NEG_POINT	Length-X (125.1105	125.0000	0.1000	-0.0500	0.1105	++>	0.0105	110.5014
PCD008	TruePositi	0.0514	0.0000	0.1000		0.0514	+--	0.0000	51.4151
	TruePositi	0.0378	0.0000	0.1000		0.0378	+--	0.0000	37.8113

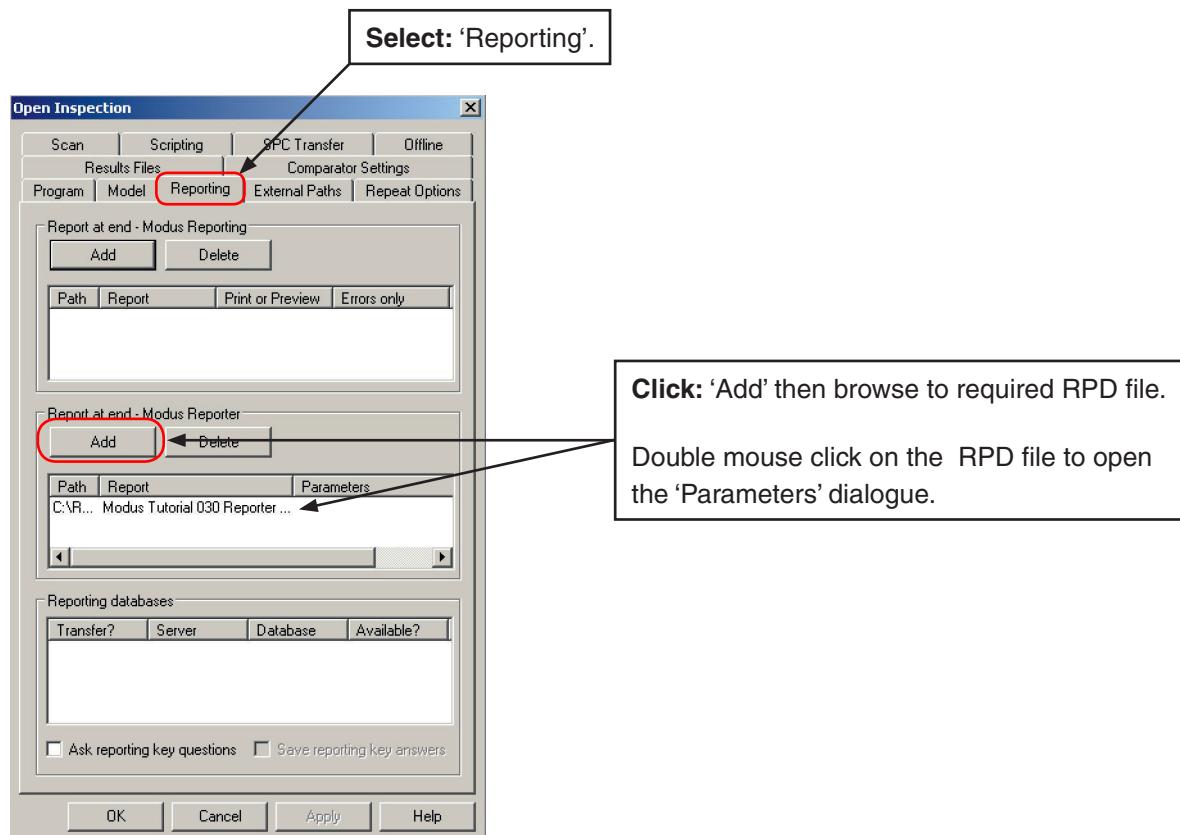
The report will automatically generate the number of pages required to output all features in the database.

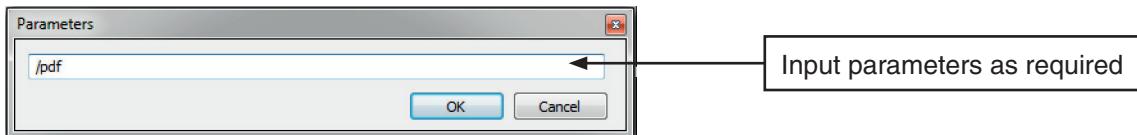
When completed save the template, this will create a "RPD" file.

Then close it.

Now close and re-open the part program and set it to run 'Reporter' when the program finishes.

NOTE: The "ENDFIL" instruction must be executed at the end of the program.



**Basic parameter examples:**

/p - Prints the report data to the default printer.

/pdf - Prints the report data to a PDF file, using the same filename as the report filename. Appends the data to the PDF if this already exists.

/pdf /pdfout "PDFname" - Prints the report data to a PDF file of the specified filename (enclosed in double quotes). Appends the data to the PDF if this already exists.

Example: /pdf /pdfout "C:\Renishaw\Reports\DataXXX.pdf".

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